

AMENDMENTS TO THE CLAIMS:

The following listing of claims will replace all prior versions and listings of claims in the application.

Claim 1 (Currently Amended) A process for the production of a cellular composite consisting of:

- (A) preparing a mixture consisting of (1) a polyisocyanate and (2) water, wherein said water is present in an amount such that there is an excess of from 2 to 5 times the stoichiometric quantity required based on the NCO group content of said polyisocyanate;
- (B) adding the mixture formed in (A) to (3) an inorganic component consisting of inorganic hollow microspheres under low shear mixing, in which the amount of mixture formed in (A) is from 20 to 38.5% by weight and the amount of hollow microspheres is from 61.5 to 80% by weight, with the sum of the %'s by weight totaling 100% by weight of the cellular composite;
- (C) completely filling a mold with the mixture formed in (B);
and
- (D) heating the filled mold at a temperature of from 100 to 280°C; thereby reacting the polyisocyanate and water to form a polyurea which binds the hollow microspheres, thus forming a cellular composite.

Claim 2 (Canceled)

Claim 3 (Canceled)

Claim 4 (Original) The process of Claim 1, wherein (D) said heating is at a temperature of from 125 to 150°C.

Claim 5 (Original) The process of Claim 1, wherein (B)(3) said inorganic hollow microspheres are selected from the group consisting of glass, silicates, borosilicates, ceramic, fly-ash and mixtures thereof.

Claim 6 (Original) The process of Claim 1, wherein (A)(1) said polyisocyanate is characterized by an NCO group content of from 25 to 35% by weight, and a functionality of from 2.0 to 3.5, a viscosity of less than about 500 mPa·s at 25°C, and is selected from the group consisting of aromatic polyisocyanates, and adducts and mixtures thereof.

Claim 7 (Previously Presented) The process of Claim 1, wherein (A)(2) said water is present in an amount such that there is an excess of from 3 to 4 times the stoichiometric quantity required based on the NCO group content of (A)(1) said polyisocyanate.

Claim 8 (Original) The process of Claim 1, wherein (D) said heating continues from 0.5 to 60 minutes.

Claim 9 (Original) A cellular composite produced by the process of Claim 1.

Claim 10 (Canceled)

Claim 11 (Previously Presented) The process of Claim 1, wherein (A)(1) said polyisocyanate consists of a polymethylene poly(phenylisocyanate) and is characterized by an NCO group content of 29 to 33% by weight, and a functionality of from 2.0 to 3.0.